

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	M108658	Client:	Alaskan Copper Works
Date Received:	08/31/06	Project:	PO# M108658, F&BI 608341
Date Extracted:	09/06/06	Lab ID:	608341-01 10x
Date Analyzed:	09/06/06	Data File:	608341-01 10x.091
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	btb

Internal Standard:	% Recovery:	Lower	Upper
Germanium	86	Limit:	Limit:
		60	125

Analyte:	Concentration ug/L (ppb)
Chromium	1,410
Nickel	1,830
Copper	1,750
Zinc	52.6

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Alaskan Copper Works
Date Received:	Not Applicable	Project:	PO# M108658, F&BI 608341
Date Extracted:	09/06/06	Lab ID:	I6-380 mb
Date Analyzed:	09/06/06	Data File:	I6-380 mb.071
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	btb

Internal Standard:	% Recovery:	Lower	Upper
Germanium	91	Limit:	Limit:
		60	125

Analyte:	Concentration
	ug/L (ppb)
Chromium	<1
Nickel	<1
Copper	<1
Zinc	<1

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ENVIRONMENTAL CHEMISTS

Date of Report: 09/08/06

Date Received: 08/31/06

Project: Metro Grab, PO# M108658, F&BI 608341

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR METALS BY EPA METHOD 200.8

Laboratory Code: 608335-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	ug/L (ppb)	6.35	6.41	1	0-20
Nickel	ug/L (ppb)	1.92	2.21	14	0-20
Copper	ug/L (ppb)	<1	<1	nm	0-20
Zinc	ug/L (ppb)	<1	<1	nm	0-20

Laboratory Code: 608335-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Chromium	ug/L (ppb)	20	6.35	118 b	50-150
Nickel	ug/L (ppb)	20	1.92	113	50-150
Copper	ug/L (ppb)	20	<1	110	50-150
Zinc	ug/L (ppb)	50	<1	95	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	ug/L (ppb)	20	109	70-130
Nickel	ug/L (ppb)	20	110	70-130
Copper	ug/L (ppb)	20	112	70-130
Zinc	ug/L (ppb)	50	121	70-130

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
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September 8, 2006

DUPLICATE COPY

INVOICE # 06ACU0908-1

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Grab, PO# M108658, F&BI 608341 - Results of testing
requested by Gerry Thompson for material submitted on August 31, 2006.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc
by Method 200.8 @ \$80 per sample \$ 80.00

Amount Due \$ 80.00

FEDERAL TAX ID # (b) (6)

608341

SAMPLE CHAIN OF CUSTODY

ME 08/31/06

AI4

Send Report To

Company

Address

City, State, ZIP

Phone #

Fax #

SAMPLERS (Signature)

PROJECT NAME/NO.

PO #

REMARKS

Page # of

TURNAROUND TIME

☐ Standard (2 Weeks)☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS					
M108658	01	8/31/06	1:00	H2O	1											

Friedman & Bruya, Inc.
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Seattle, WA 98119-2029

Ph. (206) 285-8282

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FORMS\COC\COC.DOC

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

Relinquished by:

Received by:

Relinquished by:

Received by:

Samples received at 26 °C

AKC-000728

FRIEDMAN & BRUYA, INC.

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September 8, 2006

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on August 31, 2006 from the Metro Grab, PO# M108658, F&BI 608341 project. There are 3 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
ACU0908R.DOC